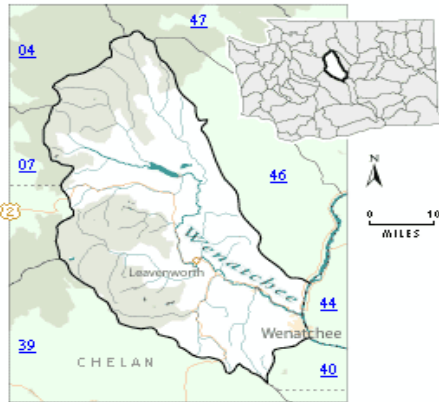


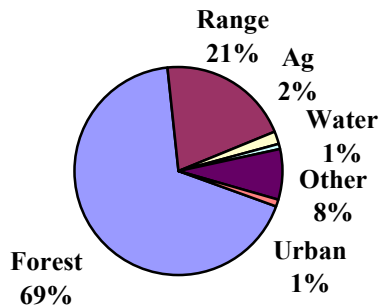
Wenatchee Basin - WRIA #45



WRIA #45 encompasses about 877,392 acres. This watershed is located within the Cascades and Columbia Basin ecoregions. Rainfall averages 56 inches per year.

Demographics

Land use in the Wenatchee Basin



Land Base (in acres)

Federal	689,481	78.6%
State	15,126	1.7%
Local	-0-	
Tribal	-0-	
Private	172,785	19.7%

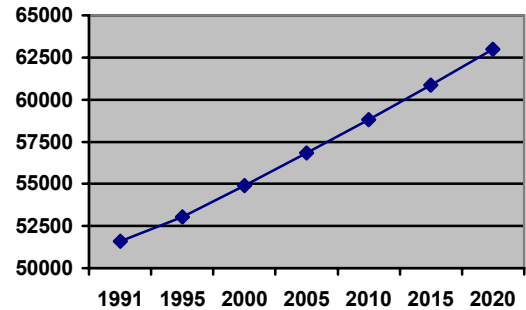
Principal Economic Activity (as total wages)

Agriculture	23%
Retail Trade	17%
Services	18%
Government	17%
Other	25%

Population

There are approximately 55,055 people living in the Wenatchee Basin. The primary population centers are Wenatchee, Cashmere, and Leavenworth.

Projected population trends



Counties

Chelan (100%)

Special purpose districts

Chelan County Conservation District

Irrigation Districts: Beehive; Icicle; Lower Squilchuck; Peshastin; Stemilt; Wenatchee Reclamation; Wenatchee Heights; Wenatchee-Chewawa; Lower Stemilt; Millerdale

Principal Cities

Wenatchee
Leavenworth
Cashmere
Peshastin

Reservation Lands

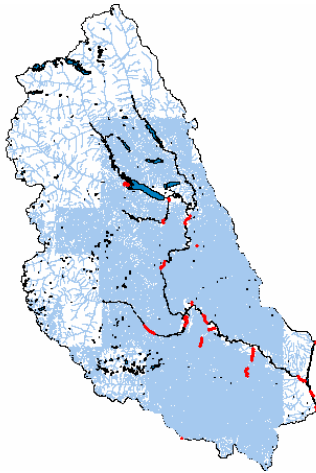
None

General Landscape

Steep, glaciated, mountains, ridges, and U-shaped valleys with high gradient streams and rivers. Typical soils include deep loams: silt loam, sandy loam, gravelly loam, and cindery sandy loam. Potential natural vegetation is ponderosa pine, Douglas fir, grand fir, and pine grass. Mean temperature ranges from 16/32° (winter) to 48/78° (summer).

Surface Water Quality

303(d) listed waterbodies



1. 303(d) Listed Problem Areas

Fecal Coliform in Brender Creek, Chumstick Creek, and Mission Creek

High Temperature in Chiwaukum Creek, Icicle Creek, Little Wenatchee River, Mission Creek, Nason Creek, Peshastin Creek, and Wenatchee River

Dissolved Oxygen in Brender Creek, Chumstick Creek, Icicle Creek, and Wenatchee River

pH in Chumstick Creek, Icicle Creek, and Wenatchee River

Pesticides in Mission Creek

Low Instream Flows in Chumstick Creek, Icicle Creek, Mission Creek, Peshastin Creek, and Wenatchee River

Water Column Bioassay in Columbia River

Total Dissolved Gas in Columbia River

Total Maximum Daily Load

7 TMDLs required from the 1998 303(d) list

2. Impacted Beneficial Uses

Groundwater Quality

Nitrates – Levels detected > 10 mg/L

Pesticides – Have been detected in public wells.

Sole Source Aquifer

None

Water Quantity

Over appropriated; medium growth

Air Quality

(From windblown dust)

No concerns

Public Health

Commercial Shellfish Growing Areas

None

Domestic Water Supply

No significant use of surface water sources

Salmonid Stock Status

Threatened

3. Water Quality Programs

1. TMDL for Wenatchee River Basin
2. TMDL for Mission Creek
3. Wenatchee Watershed Implementation Plan, Chelan CD
4. TMDL & BMP Implementation Project, Chelan CD
5. Water Quality Subcommittee, Chelan CD
6. Coastal Protection Program, Chelan CD
7. Conservation Reserve Enhancement Program, Chelan CD
8. Instream flows of Wenatchee Basin, Ecology
9. US Forest Service Northwest Forest Plan
10. Lake Wenatchee Ground Water Assessment, Chelan County PUD#1
11. Kids in the Orchard Industry Education Program, Chelan CD
12. Kids in the Creek, Chelan CD
13. Envirothon, Chelan CD
14. On-Site Program, Chelan-Douglas County Health
15. Make A Difference Day, Chelan County